

## CLAIMS

1. A method of transmitting signaling data (4) which relates to telephone access (1-3) conforming to the ISDN standard and is transmitted on a channel (7) that  
5 conforms to another standard and does not conform to the ISDN standard, which method is characterized in that it includes the following steps:

- a channel (7) is set up once and for all that conforms to another standard and does not conform to the  
10 ISDN standard,

- signaling data in the format (8) of the ISDN standard is converted into data in a format accepted by the channel conforming to the other standard,

- the signaling data converted in this way is sent,  
15 and

- when it is received, the signaling data is converted reciprocally into signaling data to the ISDN standard format.

2. A method according to claim 1, characterized in  
20 that:

- the channel that does not conform to the ISDN standard conforms to the UDP-IP Ethernet standard,

- the signaling data to be transmitted is formatted into successive data blocks (9-12),

- send blocks are constructed from said successive signaling data blocks by adding to them information (15-18) on the order of the blocks,  
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- the send blocks are sent from a unit (1) connected to one end of the channel,

- the send blocks are received in another unit (6) connected to the other end of the channel,  
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- send blocks that have been received are tested in said other unit, and

- said other unit sends an acknowledgment signal (n) designating the highest numbered send block that has been  
35 received and belongs to a continuous series of send

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'blocks.

3. A method according to either claim 1 or claim 2, characterized in that:

- surveillance signals (20) are sent periodically on the channel conforming to said other standard, and
- correct operation of said channel conforming to said other standard is tested.

4. A method according to claim 1, characterized in that:

- the channel that does not conform to the ISDN standard conforms to the QSig-GF standard, and in that:
  - a link is established that conforms to the QSig-GF standard,
  - said link is configured in a FACILITY mode of that standard, and
  - the signaling data to be transmitted is formatted (25-30) to occupy free segments of messages generated in accordance with the FACILITY mode of said QSig-GF standard.

5. A method according to any one of claims 1 to 4, characterized in that the signaling data comprises flow control data, security data and message scheduling data.

6. A method according to any one of claims 1 to 5, characterized in that data messages are sent on a channel other than said signaling channel of a type that does not conform to the ISDN standard.

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